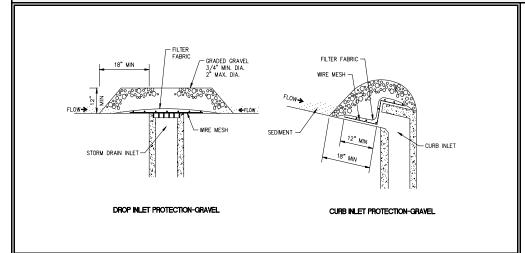
# **BMP: Inlet Protection - Gravel**



## DESCRIPTION:

Placement of gravel filter over inlet to storm drain to filter storm water runoff.

#### APPLICATION:

Construct at inlets in paved or unpaved areas where upgradient area is to be disturbed by construction activities.

## INSTALLATION/APPLICATION CRITERIA:

- Place wire mesh (with  $\frac{1}{2}$  inch openings) over the inlet grate extending one foot past the grate in all directions.
- Place filter fabric over the mesh. Filter fabric should be selected based on soil type.
- Place graded gravel, to a minimum depth of 12-inches, over the filter fabric and extending 18-inches past the grate in all directions.

### LIMITATIONS:

- Recommended for maximum drainage area of one acre.
- Excess flows may bypass the inlet requiring down gradient controls.
- Ponding will occur at inlet.

#### **MAINTENANCE:**

- Inspect inlet protection after every large storm event and at a minimum of once monthly.
- Remove sediment accumulated when it reaches 4-inches in depth.
- Replace filter fabric and clean or replace gravel if clogging is apparent.

#### **OBJECTIVES**

- □ Housekeeping Practices
- □ Contain Waste
- ☐ Minimize Disturbed Areas
- □ Stabilize Disturbed Areas
- □ Protect Slopes/Channels
- □ Control Site Perimeter
- ☑ Control Internal Erosion



ADAPTED FROM SALT LAKE COUNTY BMP FACTSHEET

# TARGETED POLLUTANTS

- Sediment
- Nutrients
- Toxic Materials
- □ Oil & Grease
- Floatable Materials
- Other Waste
- High Impact
- ☐ Low or Unknown Impact

### **IMPLEMENTATION REQUIREMENTS**

- □ Capital Costs
- O&M Costs
- Maintenance
- □ Training
- High 🛛 Medium
- □ Low